

ABSTRACT

The invention relates to methods for producing information-carrying polymers, information-carrying polymers obtained using these methods, and to methods for isolating, amplifying and selecting such information-carrying polymers. The invention
5 also relates to polymeric data memories and DNA computer which contain the information-carrying polymers, and to the use of information-carrying polymers for producing molecular weight standards, as markers or signatures, for encrypting information, as molecular-scale adhesives, or for producing or processing smallest molecular structures.